



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79650

Fusao YAMANAKA, et al.

Appln. No.: 10/766,808

Group Art Unit: 2828

Confirmation No.: 3121

Examiner: Dung T. Nguyen

Filed: January 30, 2004

For: LASER ELEMENT, METHOD OF PRODUCING THE LASER ELEMENT, AND A
LASER MODULE EMPLOYING THE LASER ELEMENT

STATEMENT OF SUBSTANCE OF INTERVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

An Examiner's Interview Summary Record (PTO-413) was attached with the Noticed of
Allowance dated June 16, 2006.

Please review and enter the following remarks summarizing the interview conducted on
May 23, 2006:

REMARKS

A telephonic interview, initiated by Examiner Dung T. Nguyen of the U.S. Patent and
Trademark Office, was conducted on May 23, 2006 with Applicants' representative, Andrew J.
Taska.

The purpose of the interview was to discuss the Examiner's proposed amendments to
claims 1 and 3 to expedite prosecution of the present application and place the application in a
condition for immediate allowance.

No exhibits or demonstrations were provided.

Applicants' representative and the Examiner were able to reach agreement that if the following amendments were made, then the present application would be in a condition for immediate allowance:

- 1) Cancel claim 2 without prejudice or disclaimer.
- 2) Amend claim 1 as follows:

A laser element comprising:

a heat sink which is comprised of one of copper and copper alloy, and which comprises a fixation surface having a predetermined shape; and

a nitride-based semiconductor laser bar which comprises a top surface and at least three light-emission points formed on a substrate,

wherein the nitride-based semiconductor laser bar is bonded to said heat sink with a brazing material comprising gold and one of tin and silicon as main components, by pressing the whole top surface of the nitride-based semiconductor laser bar toward said fixation surface with a tool having a shape corresponding to the predetermined shape of the fixation surface, during a brazing operation.

- 3) Amend claim 3 as follows:

A laser module comprising:

an optical fiber;

a laser element which comprises:

a heat sink which is comprised of one of copper and copper alloy, and which comprises a fixation surface having a predetermined shape; and

a nitride-based semiconductor laser bar which comprises a top surface and at least three light-emission points formed on a substrate, wherein the nitride-based semiconductor laser bar emits laser beams from the at least three light-emission points, and is bonded to said heat sink with a brazing material comprising gold and one of tin and silicon as main components, by pressing the whole top surface of the nitride-based semiconductor laser bar toward said fixation surface with a tool having a shape corresponding to the predetermined shape of the fixation surface, during a brazing operation; and

an optical condensing system which optically multiplexes said laser beams, and directs the optically multiplexed laser beams into said optical fiber.

The Examiner indicated that with the above amendments, claims 1 and 3, and all the claims depending therefrom, would be allowed over the prior art of record because the prior art fails to disclose or suggest all the limitations recited therein.

It is respectfully submitted that the instant STATEMENT OF SUBSTANCE OF INTERVIEW complies with the requirements of 37 C.F.R. §§1.2 and 1.133 and MPEP §713.04.

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It is believed that no petition or fee is required. However, if the USPTO deems otherwise, Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee, except for the Issue Fee, for such extension is to be charged to Deposit Account No. 19-4880.


Respectfully submitted,

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Date: July 19, 2006